In the Claims:

Rewrite claims 1 and 2 as follows:

1. (Currently amended) Device for detecting electromagnetic radiations, and in particular infrared radiations, implementing a detection circuit associated with a reading circuit, the detection circuit <u>comprising</u> ~~consisting of~~ an array of detection pixels ~~(1)~~, each of ~~the~~ said pixels ~~consisting of~~ <u>comprising</u> a thermal detector of biased ~~(3)~~ bolometric type ~~(2)~~, and delivering an electric current <u>signal</u> representative of ~~the~~ detected radiation, ~~the~~ said current <u>signal</u> undergoing a double baselining, respectively:

- a global baselining carried out by means of a thermally isolated bolometer ~~(8)~~, ensuring ~~the~~ extraction from ~~the~~ said electric current <u>signal</u>, of a first current of constant value inherent to ~~the~~ biasing of the ~~said~~ thermal detector ~~(2)~~,

- an adaptive baselining specific to each of the pixels ~~(1)~~, carried out by means of a programmable current generator ~~(9)~~, specific to each of the pixels, generating a current for subtraction from ~~the~~ said signal, as a function of ~~the~~ dispersion inherent to the pixel considered relative to a reference signal and stored in an associated memory,

~~characterized in that the~~ <u>wherein</u> said associated memory is integrated at ~~the~~ <u>a</u> level of each of ~~the~~ said pixels.

2. (Currently amended) Device for detecting electromagnetic radiations according to Claim 1, ~~characterized in that the~~ <u>wherein a</u> phase of reading ~~the~~ data of each of ~~the~~ memories associated with ~~the~~ said pixels occurs between ~~the~~ <u>an</u> end of ~~the~~ integration of a row n and ~~the~~ start of ~~the~~ integration of a row n+1 of the array of ~~the~~ said pixels.